

Applicant(s): Allan Scherr
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(E30-050CON2) 96-031CON2

In the Claims

Please amend claims 18, 20, 21, 31 and 32; cancel claim 30 and add claim 33 as follows:

18 (twice amended). [In] A cache management system at a data node in a data network with a plurality of interconnected data nodes for transferring data therebetween, [wherein each of] at least two of the data nodes including a cache management system, [and each of said cache management systems at a data node comprises] said cache management system comprising:

- A) a cache memory device coupled to the data network for storing at [least two] a plurality of different cache memory management methods, each cache memory management method [controlling the] providing a different method by which [said data node] said data node communicates [with other data nodes in] over the data network[,] and
- B) a cache memory manager connected to said cache memory device including means for selecting one of the plurality of different cache memory management methods [to control network communications at] in said cache memory device

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at said data node [with other data nodes]
thereby to control the manner in which said data
node communicates over the network and wherein
the cache memory management methods used at said
data node and another data node on the data
network are different.

19 (canceled).

20 (twice amended). A data node as recited in claim 18 wherein
said cache memory manager includes a monitor for monitoring
operations [said] at a corresponding data node and said method
selection means responds to said monitor.

21 (twice amended). A data node as recited in claim 18 wherein
said cache memory manager includes a monitor at [said] a
corresponding data node for receiving commands from other data
nodes and said method selection means responds to the received
commands.

22 (previously presented). A data node as recited in claim 21
wherein one of said cache memory management methods is a least
recently used cache management method.

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23 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a data usage cache management method.

24 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a store-through cache management method.

25 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a pre-fetch cache management method.

26 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is an indexing cache management method.

27 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a B-tree cache management method.

28 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a charging cache management method.

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29 (Canceled).

30 (canceled.)

31 (twice amended). A data node as recited in claim [30] 33 wherein said cache memory manager includes a monitor for monitoring operations at [said] a corresponding data node and said method selection means responds to said monitor.

32 (twice amended). A data node as recited in claim [30] 33 wherein said cache memory management includes a monitor for receiving commands from other data nodes and said method selection means responds to the received commands by selecting one of the cache memory management methods in said cache memory device in a corresponding data node.

33(new). A data node as recited in claim 21 wherein said cache memory device stores at least one of last recently used, data usage, store-through, pre-fetch, indexing, B-tree and charge cache memory management methods.